**Index of Claims** 

| Application/Control I | No. |
|-----------------------|-----|
|-----------------------|-----|

10/656,305 Examiner

Jason Benton

Applicant(s)/Patent under Reexamination

RADO ET AL.

Art Unit

3747

Rejected **Allowed** 

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

| Cla  | aim      | Date           |          |          |          |              |              |            |          | Cla      | aim | Date   |          |          |                 |          |          |          |          |          |             | Cla      | im        | Date      |          |             |         |          |                 |          |                 |          |               |             |
|--|----------|----------------|----------|----------|----------|--------------|--------------|------------|----------|----------|-----|--|----------|----------|-----------------|----------|----------|----------|----------|----------|-------------|----------|-----------|-----------|----------|-------------|---------|----------|-----------------|----------|-----------------|----------|---------------|-------------|
| Final  | Original | 7/10/06        |          |          |          |              |              |            |          |          |     | Final  | Original |          |                 |          |          |          |          |          |             |          | ii<br>Gui | - II      | Original |             |         |          |                 |          |                 |          |               |             |
| 1  | 1        | =              | L        | _        |          | -            | -            | <u> </u>   | ļ        |          |     |  | 51       | _        |                 | _        |          |          |          | _        |             |          | -         | -         | 101      | _           | +       | $\dashv$ | $\dashv$        |          |                 |          | $\dashv$      | <u> </u>    |
| <del></del>                                      | 2        | <del> -</del>  |          |          | H        | ⊢            | ┥            | ⊢          | ┝        | -        |     |  | 52       | -        | -               | $\vdash$ |          |          | -        | _        | -           | $\vdash$ | -         | -+        | 102      | $\dashv$    | +       | ┪        | $\dashv$        |          | -               | $\dashv$ | $\dashv$      | _           |
| <u> </u>   | -        | <del>  _</del> | -        | ├-       |          | ⊢            | ⊢            | ⊬          | <u> </u> | _        |     | <del> </del>                                     | 53       | $\vdash$ | -               | $\vdash$ |          |          |          | _        |             |          | -         | $\dashv$  | 103      | +           | ╌       | -        | -               |          | -               |          | $\dashv$      | _           |
| 2  | 3        | =              | —        |          |          |              | ├            | ⊢          | -        | _        |     |  |          | <u> </u> | _               |          |          | $\vdash$ | _        |          |             | $\vdash$ | -         | -         | 104      | +           | ╬       | $\dashv$ | $\dashv$        |          | -               | $\dashv$ | -             |             |
| 3  | 4        | =              | <u> </u> | _        | <u> </u> | <u> </u>     | <u> </u>     | -          |          | <u> </u> |     |  | 54       | <u> </u> |                 | _        |          |          | $\dashv$ | -        | Н           |          | -         | $\dashv$  | 105      | -           |         | $\dashv$ |                 |          |                 |          | $\dashv$      |             |
|  | 5        | ├-             |          | _        | <u> </u> | ⊢            | ┢            | -          | -        |          |     |  | 55<br>56 | _        | _               |          |          |          | $\dashv$ |          |             | $\vdash$ | $\vdash$  | $\dashv$  | 106      | -           | +       | +        | $\dashv$        |          |                 |          | $\dashv$      | <del></del> |
| 4  | 6        | =              | <u> </u> |          |          | <u> </u>     |              | ╀          |          |          | ł   |  |          | <u> </u> | -               | -        |          |          |          | _        | Н           | $\vdash$ | -         | $\dashv$  | 107      | +           | +       | -        | $\dashv$        |          | -               | _        |               | $\vdash$    |
| 5  | 7        | =              | <u> </u> |          |          | <u> </u>     | <u> </u>     |            | _        | _        | -   |  | 57       | ⊢        | <u> </u>        |          |          |          |          | _        |             | Щ.,      | $\vdash$  | $\dashv$  |          | +           | +       | $\dashv$ | $\dashv$        |          | _               |          |               | -           |
| 6  | 8        | =              | _        | ļ        | _        | <u> </u>     | <u> </u>     | ₽          |          |          |     |  | 58       | ļ        |                 | -        |          |          | _        |          | _           | Н        | -         | -         | 108      |             | +       | $\dashv$ | -               |          |                 |          | $\dashv$      | <u> </u>    |
| 7  | 9        | =              | _        | _        | <u> </u> | L            | ┡            | -          |          |          |     |  | 59       | <u> </u> |                 |          |          |          | _        | _        |             | $\Box$   | <b> </b>  | 4         | 109      | _           | 4       | 4        | _               |          | _               | _        | $\dashv$      |             |
| 8  | 10       | ᄩ              | <u> </u> |          | <u> </u> | _            | ┡            | ┞          | <u> </u> | <u> </u> |     |  | 60       |          |                 |          |          |          |          | _        |             | Н        | -         | -         | 110      | -+-         | -       | 4        |                 |          |                 | _        |               | <u> </u>    |
| 9  | 11       | =              | <u> </u> |          | <u> </u> | _            | <u> </u>     | <b>↓</b> _ |          |          |     |  | 61       | _        |                 |          | _        |          | _        |          |             | Ш        |           | _         | 111      | +           | 4       | 4        | -               |          |                 |          | _             | <u> </u>    |
| 10   | 12       | =              | <u> </u> |          | ᆜ        | <u> </u>     | <u> </u>     | <u> </u>   | _        | L.       | l   |  | 62       |          |                 | Щ        |          |          | _        | _        | Ш           |          | <u> </u>  | 4         | 112      |             | +       | 4        |                 |          | $\Box$          | _        | $\dashv$      |             |
| 11   | 13       | =              | L        |          |          | _            | _            | _          |          |          |     |  | 63       | L        |                 |          |          |          |          | _        |             | Ш        |           |           | 113      |             | 4       | 4        | _               |          |                 | _        | _             |             |
| 12   | 14       | =              | L        |          | Ш        |              | _            | <u> </u>   |          |          |     |  | 64       | <u></u>  |                 |          |          |          | _        |          | Ш           | Ш        | $\vdash$  | _         | 114      | _           | _       | 4        | _               |          | Ш               | _        | _             | <u> </u>    |
| 13   | 15       | =              | <u> </u> |          |          | _            | ╙            |            | L        |          |     |  | 65       | <u> </u> |                 |          |          |          | _        |          |             | Ш        | <u> </u>  | _         | 115      |             |         | 4        | _               |          |                 |          | _             | <u> </u>    |
| 14   | 16       | =              | _        | _        | _        | <u> </u>     | <u> </u>     | _          | L        |          |     |  | 66       | L.       |                 |          |          |          | _        |          |             | ,        | <u> </u>  | 4         | 116      |             | 4       | 4        | _               |          |                 | _        |               |             |
| 15   | 17       | =              |          | <u> </u> |          | L            | <u> </u>     |            |          |          | ŀ   |  | 67       | <u> </u> |                 |          |          |          |          |          |             | Щ.       | ļ         | _         | 117      |             | $\perp$ | 4        | _               |          | Щ               |          | $\square$     | _           |
| 16   | 18       | =              |          |          |          |              |              |            |          |          |     |  | 68       |          |                 |          |          |          |          |          | ٠           | Ш        | L         | _         | 118      |             | 4       | 4        | _               |          | Щ               | _        |               |             |
| 17   | 19       | Ξ              |          |          |          | _            |              | L          |          |          |     |  | 69       |          |                 |          |          |          | _        |          |             |          |           |           | 119      |             | ┵       | ┙        | _               |          |                 |          | $\square$     |             |
| 18   | 20       | Ξ              |          |          |          |              |              |            |          |          |     |  | 70       |          |                 |          |          |          |          |          |             |          |           |           | 120      |             | $\perp$ | $\perp$  |                 |          |                 |          |               |             |
|  | 21       | Γ              |          |          |          |              |              |            |          |          |     |  | 71       |          |                 |          |          |          |          |          |             |          |           | I         | 121      |             |         |          |                 |          |                 |          |               |             |
|  | 22       |                |          |          |          |              |              |            |          |          |     |  | 72       |          |                 |          |          |          |          |          |             | 1        |           |           | 122      |             |         |          |                 |          |                 |          |               |             |
| 19   | 23       | =              |          |          |          | П            |              | Π          |          |          |     |  | 73       |          |                 |          |          |          |          |          |             |          |           | П         | 123      |             |         |          |                 |          |                 |          |               |             |
|  | 24       | Г              |          |          |          |              |              |            |          |          |     |  | 74       |          |                 |          |          |          |          |          |             |          | Г         | T         | 124      |             |         |          |                 |          |                 |          | $\overline{}$ |             |
| 20   | 25       | =              |          |          |          |              |              |            |          |          |     |  | 75       |          |                 |          |          |          |          |          |             |          | Г         | T         | 125      |             |         | T        | ĺ               |          |                 |          | $\neg$        |             |
|  | 26       |                |          |          |          |              |              |            |          |          |     |  | 76       |          |                 |          |          |          | T        |          |             |          |           |           | 126      |             |         | T        |                 |          |                 |          | $\neg$        |             |
| 21   | 27       | =              |          |          |          |              |              |            |          |          |     |  | 77       |          |                 |          |          |          | T        |          |             |          |           |           | 127      |             | T       | Ī        |                 |          |                 |          | $\neg$        | Π           |
| 22   | 28       | =              |          |          |          |              |              |            |          |          |     |  | 78       |          |                 |          |          |          | 一        |          |             |          |           | $\neg$    | 128      |             |         | T        |                 |          |                 |          | $\neg$        |             |
| 23   | 29       | =              |          |          |          |              |              | Ī          |          |          |     |  | 79       |          |                 |          |          |          |          |          |             |          |           | $\exists$ | 129      | $\neg \tau$ | $\top$  | 7        | T               |          |                 |          | $\neg$        | ī           |
| 24   | 30       | =              |          |          |          |              |              | T          |          |          |     |  | 80       |          |                 |          |          |          |          |          |             |          |           | 1         | 130      |             | T       | T        |                 |          |                 |          | $\neg$        |             |
| 25   | 31       | =              |          |          |          |              |              |            |          |          |     |  | 81       |          |                 |          |          |          |          |          |             |          | $\vdash$  | 7         | 131      |             | T       | 7        |                 |          |                 | i        | $\neg$        |             |
| 26   | 32       | =              |          |          |          |              | _            | ऻऻ         |          |          |     |  | 82       |          |                 |          |          | $\neg$   |          |          |             |          |           | 寸         | 132      |             | 十       | ┪        | コ               |          |                 |          | $\neg$        |             |
| 27   | 33       | =              |          |          |          |              |              |            |          |          |     |  | 83       |          |                 |          |          |          | ヿ        |          |             | $\neg$   |           | 丁         | 133      |             | 十       | ヿ        | $\neg \uparrow$ |          |                 | _        | $\neg$        | _           |
| 28   | 34       | =              |          |          |          | i —          | 1            | Г          |          |          |     |  | 84       |          |                 |          | $\neg$   |          | $\neg$   | $\neg$   |             |          |           | $\dashv$  | 134      |             | $\top$  | 7        | 寸               |          |                 | $\neg$   | $\neg$        | _           |
| 29   | 35       | =              | П        | П        | П        | $\vdash$     |              | П          |          |          |     |  | 85       | П        | П               |          |          |          | 一        | $\neg$   |             | $\dashv$ |           | $\dashv$  | 135      |             | ┪       | $\dashv$ | 7               |          |                 |          | 一             |             |
| 30   | 36       | =              | Н        |          |          |              |              | t          |          |          |     |  | 86       | H        | Н               |          | $\neg$   | $\dashv$ | ᅥ        | $\neg$   | $\neg \neg$ | $\dashv$ |           | 7         | 136      |             | 十       | 7        | $\dashv$        |          |                 |          | $\dashv$      |             |
| 31   | 37       | =              | Н        | Н        |          |              | T            | T          | Н        |          |     |  | 87       | Н        | Н               |          | $\neg$   | _        | $\dashv$ |          |             | $\neg$   |           | $\dashv$  | 137      | _           | $\top$  | +        | $\dashv$        | $\neg$   | $\vdash$        | $\neg$   | ᅥ             | _           |
| 32   | 38       | =              |          | _        | -        |              | 1            | $\vdash$   | Н        |          |     |  | 88       | Н        | Н               | $\dashv$ | $\neg$   | $\dashv$ |          | $\dashv$ |             | $\dashv$ | $\vdash$  | +         | 138      | -+          | +       | +        | $\dashv$        |          | $\dashv$        | $\dashv$ | $\dashv$      | _           |
| 33   | 39       | =              | $\vdash$ | Н        | Н        | <u> </u>     | $\vdash$     | $\vdash$   | H        |          |     |  | 89       | $\vdash$ | Н               |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$    | $\dashv$ | $\vdash$  | $\dashv$  | 139      | -           | +       | +        | $\dashv$        | _        | $\dashv$        |          | $\dashv$      |             |
| 34   | 40       | Ē              | $\vdash$ | $\vdash$ | Н        | $\vdash$     | $\vdash$     | $\vdash$   | H        |          |     | $\vdash$   | 90       | $\vdash$ | Н               |          | -        |          | -        | $\dashv$ | $\vdash$    | $\dashv$ | -         | -+        | 140      | -           | +       | +        | $\dashv$        |          | $\dashv$        | -        | $\dashv$      |             |
| 35   | 41       | =              | H        |          | $\vdash$ |              | $\vdash$     | H          | $\vdash$ |          |     | $\vdash$   | 91       | $\vdash$ | $\vdash$        |          | $\dashv$ | $\dashv$ |          | $\dashv$ | $\vdash$    | $\dashv$ | $\vdash$  | +         | 141      | $\dashv$    | +       | -        |                 |          | $\vdash$        |          | $\dashv$      |             |
| 36   | 42       | =              | $\vdash$ | -        | H        | <del> </del> | ┢            | -          | $\vdash$ | Н        |     |  | 92       | $\vdash$ | Н               | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$    |          | $\vdash$  | $\dashv$  | 142      | +           | +       | $\dashv$ | $\dashv$        | -        | $\dashv$        | $\dashv$ | $\dashv$      |             |
| 37   | 43       | =              | $\vdash$ | -        | Н        | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$ |     | $\vdash$   | 93       | Н        | $\vdash$        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | -           | $\dashv$ | $\vdash$  | +         | 143      | +           | +       | +        | $\dashv$        | -        | $\dashv$        |          | $\dashv$      |             |
| 38   | 44       | =              | $\vdash$ |          | $\vdash$ | $\vdash$     | $\vdash$     | ╁╌         | Н        | $\vdash$ |     | <u> </u>   | 94       | $\vdash$ | Н               | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | -           | $\dashv$ | $\vdash$  | $\dashv$  | 144      | $\dashv$    | +       | +        | $\dashv$        | -        | $\dashv$        | $\dashv$ | $\dashv$      | _           |
| 39   | 45       | =              | Н        |          | Н        | <u> </u>     | $\vdash$     | +-         | $\vdash$ | -        |     | $\vdash$   | 95       | $\vdash$ | Н               | $\dashv$ | -        |          |          |          | -           | $\dashv$ | $\vdash$  | $\dashv$  | 145      | $\dashv$    | ╁       | ┥        | $\dashv$        | $\dashv$ | $\dashv$        |          | $\dashv$      |             |
| 40   | 46       | =              | Н        | -        | Н        | <del> </del> | ├            | $\vdash$   | Н        | $\vdash$ |     |  | 96       | $\vdash$ | $\vdash$        | $\vdash$ | -        |          | -        |          |             | $\dashv$ | -         | $\dashv$  | 145      | -+          | +       | +        |                 |          | $\vdash \dashv$ | $\dashv$ | $\dashv$      |             |
| <del></del> -                                    | 47       | <del> -</del>  | Н        |          | Н        | $\vdash$     | $\vdash$     | H          | $\vdash$ |          |     |  | 97       | H        |                 |          | -        |          |          | -        |             |          | -         | +         | 147      | $\dashv$    | +       | +        | $\dashv$        | $\dashv$ |                 | $\dashv$ | $\dashv$      | _           |
| <del>                                     </del> | 47       | $\vdash$       | $\vdash$ | <b></b>  | $\vdash$ | <u> </u>     | $\vdash$     | $\vdash$   | Н        |          |     | <b> </b>   |          | Н        | $\vdash \vdash$ | $\dashv$ | $\dashv$ | -        |          | -        | -           | $\dashv$ | -         | -         |          | -           | +       | +        |                 |          |                 |          | $\dashv$      |             |
| $\vdash$   |          | ├              | Н        | $\vdash$ | Н        |              | <del> </del> | $\vdash$   | Н        | $\vdash$ |     | <del>                                     </del> | 98       | Н        | $\vdash$        | -        | -        | _        |          | -        |             |          | $\vdash$  | -         | 148      | $\dashv$    | +       | +        |                 | _        |                 |          |               |             |
| ⊢—   | 49       | $\vdash$       |          |          | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$   |          | -        |     | $\vdash$   | 99       | Ш        | Н               |          |          |          |          |          |             |          | <b>—</b>  | 4         | 149      | $\dashv$    |         | 4        | _               | _        | _               | _        |               |             |
| L  | 50       | i              |          |          |          |              | l            | 1          |          |          |     | 1  | 100      |          |                 |          |          | ŀ        | - 1      |          |             | - 1      | 1         | - 1       | 150      |             | - 1     | - 1      | - 1             |          |                 | - 1      |               | .           |